

CLAIMS

1. A bracket device for attachment to a thin walled section which comprises:  
a main member having an operating member and attachment means extending from  
5 a proximal end of said operating member which in use engage said thin walled section  
through a single opening in said thin walled section, said main member having no other such  
attachment means and  
locking means associated with said attachment means which is adapted to slide in  
relation to said attachment means to a locking position to create a reaction force between said  
10 attachment means and said thin walled section.
2. A bracket device according to claim 1, wherein said operating member has a flange  
portion, said attachment means extends from the proximal side of said flange portion, and said  
locking means is a wedge member which is adapted to abut against a face of said flange  
15 portion when in said locking position.
3. A bracket device according to claim 2 wherein said attachment means is integral with  
said flange portion.
- 20 *sub 2* 4. A bracket device according either claim 1 or claim 2 wherein said attachment means  
extends from an opening in said proximal end of said operating member, and is slidable in a  
direction into or out of said proximal end.
- 25 5. A bracket device according to claim 3 wherein said locking means engages with a  
distal end of said attachment means such that in use said operating member proximal end  
separates said locking means and said thin walled section.
- 30 *sub 3* 6. A bracket device according to any one of claims 1 to 5, wherein said attachment means  
is terminated with a hook which in use engages within an aperture provided in a wall of said  
thin walled section.
7. A bracket device according to claim 6, wherein an extremity of said hook is adapted  
to abut an inner wall of said thin walled section, and said wedge member is adapted when in

said locking position to abut against an outer wall of said thin walled section to thereby create a compressive force between said hook and said wedge member to hold said operating member in place.

5 *sub 241* 8. A bracket device according to any one of claim 2 through claim 7, wherein said locking means is a wedge member and a slot is provided in said wedge member which in use substantially straddles said attachment means.

10 9. A bracket device according to any one of claim 2 and claim 3 through claim 8 when dependant on claim 2, wherein said wedge member includes a channel adapted to encompass said flange portion of said main member.

15 10. A bracket device according to claim 8, wherein said proximal end of said operating member includes a lower portion which in use locks into said slot to create a reaction force against any rotational torque on said operating member.

20 *sub 241* 11. A bracket device according to any one of claim 1 through claim 10, wherein said operating member is a step for attachment to a utility pole having a thin wall section.

20 12. A bracket device according to any one of claim 1 through claim 10, wherein said operating member is a suspension bracket for suspending hardware from a utility pole having a thin wall section.

25 *B1* 13. A step for attachment to a utility pole having a thin wall section which comprises:

a main member having a step member with a flange portion formed at a proximal end thereof, and attachment means extending from a face of said flange portion and terminated in a hook which in use engages within an aperture provided in a wall of said thin walled section, and

30 a wedge member which is adapted to slide in relation to said attachment means and abut against a face of said flange portion when in a locking position, to thereby create a

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~~compressive force between said hook and said wedge member to hold said step member in place.~~

5 14. A step as claimed in claim 13 wherein said attachment means is integral with said flange portion and said wedge member interposes between said flange portion and said thin walled section and butts against said face of said flange portion from which said attachment means extends.

10 15. A step as claimed in claim 13 wherein said attachment means extends from an opening in said flange portion and is slidable in a direction into or out of said flange portion, and said wedge member engages with a distal end of said attachment means such that in use said wedge member abuts against a face of said flange portion facing away from said thin walled section, and said flange portion is interposed between said wedge member and said thin walled section.

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15 16. A wedge member for a bracket device comprising a main body formed with an enclosed slot, and having an inner face and an outer face inclined relative to each other at an angle of from 3.5 to 5 degrees, said inner face and said outer face each being formed with a concave channel of substantially the same shape in cross section along a full length thereof,

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20 17. A main member for a bracket device according to any one of claim 1 through claim 12.

25 18. A wedge member for a bracket device according to any one of claim 2 through claim 12.

19. A method of providing a bracket device for a thin wall section comprising the steps:

a) forming an aperture in the wall of said thin wall section at a position corresponding to a desired location of a bracket device, and

30 b) forming a main member having an operating member and attachment means extending from a proximal end of said operating member which in use engages within

said aperture and which includes locking means associated with said attachment means which slides in relation to said attachment means to a locking position to in use secure said attachment means within said aperture.

- 5      20.    A method of fixing a bracket to a thin walled section including a single fixing hole comprising:
- 10      a)    inserting an attachment means of a main member, having an operating member, and attachment means extending from a proximal end of operating member through said hole in said thin walled section, and
- 15      b)    sliding a locking means relative to said attachment means to a locking position to create a reaction force between said attachment means and said thin walled section.
- 20      21.    A method of fixing a bracket to a thin walled section as claimed in claim 20 wherein said attachment means is terminated with a hook and said step of inserting said attachment means through said hole in said thin walled section includes rotating said operating member about its proximal end to pass a transversely extending portion of said hook through said hole.
- 20      22.    A bracket device substantially as described herein with reference to Figure 2 through Figure 9.
23.    A method of providing a bracket device for a thin wall section substantially as described herein with reference to Figure 2 through Figure 9.

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B2

AMENDED SHEET  
IP/PAU